

```
=> s fluoro-copolymer# or fluorocopolymer#
L1      283 FLUORO-COPOLYMER# OR FLUOROCOPOLYMER#

=> s l1 and tetrafluoroethylene#
L2      133 L1 AND TETRAFLUOROETHYLENE#

=> s l2 and (hydrocarbon vinyl compound# or hydroxybutyl vinyl ether# or glycidyl vin
```

1 FILES SEARCHED...

```
L3      13 L2 AND (HYDROCARBON VINYL COMPOUND# OR HYDROXYBUTYL VINYL ETHER
        # OR GLYCIDYL VINYL ETHER#)
```

```
=> s l3 and fluorine containing copolymer#
L4      5 L3 AND FLUORINE CONTAINING COPOLYMER#
```

```
=> d l4 1-5
```

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L4      ANSWER 1 OF 5  EUROPATFULL  COPYRIGHT  2002 WILA
```

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

```
AN      1160298  EUROPATFULL  ED 20011213  EW 200149  FS OS
TIEN    AQUEOUS DISPERSION OF FLUOROCOPOLYMER AND COMPOSITION FOR WATER-BASED
        COATING MATERIAL.
TIDE    WAESSRIGE DISPERSION VON FLUORPOLYMER UND SEINE VERWENDUNG IN
        WASSER-GETRAGENEN BESCHICHTUNGEN.
TIFR    DISPERSION AQUEUSE DE COPOLYMERE FLUORE ET COMPOSITION POUR SUBSTANCE
        D'ENDUCTION A BASE D'EAU.
IN      TAKAKURA, Teruo, Asahi Glass Company Ltd., 10, Goikaigan, Ichihara-shi,
        Chiba 290-8566, JP;
        ISHIDA, Toru, Asahi Glass Company Ltd., 10, Goikaigan, Ichihara-shi,
        Chiba 290-8566, JP;
        ICHIKUNI, Naomi, Asahi Glass Company Ltd., 10, Goikaigan, Ichihara-shi,
        Chiba 290-8566, JP
PA      ASAHI GLASS COMPANY LTD., 12-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo
        100-8405, JP
SO      Wila-EPZ-2001-H49-T1a
DS      R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;
        R IT; R LI; R LU; R MC; R NL; R PT; R SE
PIT      EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)
PI      EP 1160298      A1 20011205
OD      20011205
AI      EP 1999-938556      19990820
PRAI    JP 1998-249058      19980820
RLI     WO 99-JP4493      990820 INTAKZ
        WO 0011094      000302 INTPNR
IC      ICM  C09D127-12
        ICS  C09D005-00      C09D007-12
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L4      ANSWER 2 OF 5  EUROPATFULL  COPYRIGHT  2002 WILA
```

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

```
AN      1090936  EUROPATFULL  ED 20010419  EW 200115  FS OS
TIEN    FUNCTIONAL FLUOROCOPOLYMER.
TIDE    FLUOROCOPOLYMER MIT FUNKTIONELLEN GRUPPEN.
TIFR    FLUOROCOPOLYMERE FONCTIONNEL.
```

IN TSUDA, Nobuhiko Yodogawa-seisakusho, Daikin Industries, Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP;
KITAHAHARA, Takahiro Yodogawa-seisakusho, Daikin Industries, Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP;
IWAKIRI, Ryuji, deceased, JP;
NAGATO, Masaru Yodogawa-seisakusho, Daikin Industries, Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP;
FUKAGAWA, Ryoichi Yodogawa-seisakusho, Daikin Industries Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP
PA Daikin Industries, Ltd., Umeda Center Building, 4-12, Nakazaki-nishi
2-chome Kita-ku, Osaka-shi Osaka 530-8323, JP
SO Wila-EPZ-2001-H15-T1a
DS R FR; R GB; R IT
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)
PI EP 1090936 A1 20010411
OD 20010411
AI EP 1999-917137 19990423
PRAI JP 1998-122384 19980501
RLI WO 99-JP2183 990423 INTAKZ
WO 9957165 991111 INTPNR
IC ICM C08F214-26
ICI C08F214-26 C08F214:28 C08F210:02.
C08F216:14

L4 ANSWER 3 OF 5 EUROPATFULL COPYRIGHT 2002 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1090935 EUROPATFULL ED 20010419 EW 200115 FS OS
TIEN **FLUOROCOPOLYMER** AND COMPOSITION THEREOF.
TIDE FLUOROCOPOLYMER UND ZUSAMMENSETZUNG DARAUS.
TIFR **FLUOROCOPOLYMER** ET COMPOSITION A BASE DE CELUI-CI.
IN MIWA, Tetsuya Asahi Glass Co. Ltd., 474-2, Tsukagoshi 3-chome Saiwai-ku,
Kawasaki-shi Kanagawa 210-0924, JP;
SAITO, Masayuki Asahi Glass Co. Ltd., 474-2, Tsukagoshi 3-chome
Saiwai-ku, Kawasaki-shi Kanagawa 210-0924, JP;
NAKAMURA, Junichi Asahi Glass Co. Ltd., 474-2, Tsukagoshi 3-chome
Saiwai-ku, Kawasaki-shi Kanagawa 210-0924, JP;
HONDA, Makoto Asahi Glass Co. Ltd., 474-2, Tsukagoshi 3-chome Saiwai-ku,
Kawasaki-shi Kanagawa 210-0924, JP
PA ASAHI GLASS COMPANY LTD., 12-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo
100-8405, JP
SO Wila-EPZ-2001-H15-T1a
DS R DE; R FR; R GB; R IT
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)
PI EP 1090935 A1 20010411
OD 20010411
AI EP 1999-910775 19990330
PRAI JP 1998-87043 19980331
RLI WO 99-JP1628 990330 INTAKZ
WO 9950321 991007 INTPNR
IC ICM C08F214-26
ICS C08F214-22 C08F214-08 C08F210-00 C08L027-18
C08K005-14 C08K003-22 C08K005-17

L4 ANSWER 4 OF 5 EUROPATFULL COPYRIGHT 2002 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 451296 EUROPATFULL ED 20000730 EW 199142 FS OS STA B

TIEN **FLUOROCOPOLYMER** AND PRODUCTION THEREOF.
TIDE FLUORPOLYMERE UND DEREN HERSTELLUNG.
TIFR **FLUOROCOPOLYMERE** ET SA FABRICATION.
IN KODAMA, Shun-ichi, 543, Sanmai-cho Kanagawa-ku, Yokohama-shi Kanagawa 221, JP;
KAMBA, Motoi, 543, Sanmai-cho Kanagawa-ku, Yokohama-shi Kanagawa 221, JP;
KIMURA, Isao, 4-27-16, Mihama Urayasu-shi, Chiba 279, JP;
CHIBA, Kazunori, 3-16-405, Sugita Isogo-ku, Yokohama-shi Kanagawa 235, JP
PA ASAHI GLASS COMPANY LTD., 1-2, Marunouchi 2-chome, Chiyoda-ku Tokyo 100, JP
SO Wila-EPZ-1991-H42-T1
DS R DE; R FR; R GB; R IT
PIT EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)
PI EP 451296 A1 19911016
OD 19911016
AI EP 1990-916073 19901102
PRAI JP 1989-285009 19891102
RLI WO 90-JP1427 901102 INTAKZ
WO 9106584 910516 INTPNR
IC ICM C08F214-18
ICS C08F216-18 C08F218-04 C08G018-62 C08L027-12
C08L029-10 C08L031-02 C09D127-12 C09D129-10
C09D131-02 C09D175-04

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 451296 EUROPATFULL UP 20010712 EW 199543 FS PS STA B
TIEN **FLUOROCOPOLYMER** AND PRODUCTION THEREOF.
TIDE FLUORPOLYMERE UND DEREN HERSTELLUNG.
TIFR **FLUOROCOPOLYMERE** ET SA FABRICATION.
IN KODAMA, Shun-ichi, 543, Sanmai-cho Kanagawa-ku, Yokohama-shi Kanagawa 221, JP;
KAMBA, Motoi, 543, Sanmai-cho Kanagawa-ku, Yokohama-shi Kanagawa 221, JP;
KIMURA, Isao, 4-27-16, Mihama Urayasu-shi, Chiba 279, JP;
CHIBA, Kazunori, 3-16-405, Sugita Isogo-ku, Yokohama-shi Kanagawa 235, JP
PA ASAHI GLASS COMPANY LTD., 1-2, Marunouchi 2-chome, Chiyoda-ku Tokyo 100, JP
SO Wila-EPS-1995-H43-T1
DS R DE; R FR; R GB; R IT
PIT EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale Anmeldung)
PI EP 451296 B1 19951025
OD 19911016
AI EP 1990-916073 19901102
PRAI JP 1989-285009 19891102
RLI WO 90-JP1427 901102 INTAKZ
WO 9106584 910516 INTPNR
REP EP 278026 A JP 1249839 A
JP 5734107 A JP 61275311 A
JP 62143915 A JP 62174213 A
JP 63110265 A
REN Surface Coatings Science & Technology, Swaraj Paul, Wiley & Sons
pub.1986, pp 698-705
IC ICM C08F214-18
ICS C08F216-18 C08F218-04 C08G018-62 C08L027-12
C08L029-10 C08L031-02 C09D127-12 C09D129-10
C09D131-02 C09D175-04

L4 ANSWER 5 OF 5 USPATFULL

Full Citing
Text References

AN 95:47799 USPATFULL
TI Light-stabilised copolymer compositions as paint binders
IN Valet, Andreas, Eimeldingen, Germany, Federal Republic of
Meuwly, Roger, Marly, Switzerland
Slongo, Mario, Tafers, Switzerland
PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)
PI US 5420204 19950530
AI US 1994-212671 19940311 (8)
RLI Continuation of Ser. No. US 1992-916932, filed on 20 Jul 1992, now
abandoned
PRAI CH 1991-225391 19910729
DT Utility
FS Granted
LN.CNT 724
INCL INCLM: 525/125.000
INCLS: 525/199.000; 525/220.000; 525/221.000; 525/222.000; 525/227.000;
525/479.000; 525/157.000
NCL NCLM: 525/125.000
NCLS: 525/157.000; 525/199.000; 525/220.000; 525/221.000; 525/223.000;
525/227.000; 525/479.000
IC [6]
ICM: C08F008-30
ICS: C08F033-08; C08L033-10
EXF 525/125; 525/199; 525/326.5; 525/220; 525/221; 525/222; 525/223;
525/227; 525/454; 525/479; 525/157
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s Tsuda, Nobuhiko/in
L5 66 TSUDA, NOBUHIKO/IN

=> s 15 and fluorocopolymer#
L6 7 L5 AND FLUOROCOPOLYMER#

=> d 16 1-7

L6 ANSWER 1 OF 7 EUROPATFULL COPYRIGHT 2002 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1090936 EUROPATFULL ED 20010419 EW 200115 FS OS
TIEN FUNCTIONAL **FLUOROCOPOLYMER**.
TIDE FLUOROCOPOLYMER MIT FUNKTIONELLEN GRUPPEN.
TIFR **FLUOROCOPOLYMERE** FONCTIONNEL.
IN **TSUDA, Nobuhiko** Yodogawa-seisakusho, Daikin Industries, Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP;
KITAHARA, Takahiro Yodogawa-seisakusho, Daikin Industries, Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP;
IWAKIRI, Ryuji, deceased, JP;
NAGATO, Masaru Yodogawa-seisakusho, Daikin Industries, Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP;
FUKAGAWA, Ryoichi Yodogawa-seisakusho, Daikin Industries Ltd. 1-1,
Nishihitotsuya, Settsu-shi Osaka 566-8585, JP
PA Daikin Industries, Ltd., Umeda Center Building, 4-12, Nakazaki-nishi
2-chome Kita-ku, Osaka-shi Osaka 530-8323, JP
SO Wila-EPZ-2001-H15-T1a
DS R FR; R GB; R IT
PIT EPAl EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)
PI EP 1090936 A1 20010411
OD 20010411
AI EP 1999-917137 19990423
PRAI JP 1998-122384 19980501

RLI WO 99-JP2183 990423 INTAKZ
 WO 9957165 991111 INTPNR
 IC ICM C08F214-26
 ICI C08F214-26 C08F214:28 C08F210:02.
 C08F216:14

L6 ANSWER 2 OF 7 EUROPATFULL COPYRIGHT 2002 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 748826 EUROPATFULL ED 19970307 EW 199651 FS OS
 TIEN AQUEOUS **FLUOROCOPOLYMER** DISPERSION.
 TIDE WAeSSRIGE FLUORCOPOLYMERISATDISPERSION.
 TIFR DISPERSION AQUEUSE DE **FLUOROCOPOLYMERE**.
 IN ARAKI, Takayuki Yodogawa-Seisakusho, Daikin Industries, Ltd. 1-1,
 Nishihitotsuya, Settsu-shi Osaka 566, JP;
TSUDA, Nobuhiko Yodogawa-Seisakusho, Daikin Industries, Ltd. 1-1,
 Nishihitotsuya, Settsu-shi Osaka 566, JP;
 YONEI, Yasushi Yodogawa-Seisakusho, Daikin Industries, Ltd. 1-1,
 Nishihitotsuya, Settsu-shi Osaka 566, JP
 PA DAIKIN INDUSTRIES, LIMITED, Umeda Center Building, 4-12 Nakazaki-nishi
 2-chome, Kita-ku, Osaka-shi, Osaka-fu 530, JP
 SO Wila-EPZ-1996-H51-T1a
 DS R DE; R FR; R GB
 PIT EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)
 PI EP 748826 A1 19961218
 OD 19961218
 AI EP 1994-927056 19940916
 RLI WO 94-JP1530 940916 INTAKZ
 WO 9508582 950330 INTPNR
 IC ICM C08F259-08
 ICS C09D151-06

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 748826 EUROPATFULL UP 20010622 EW 200124 FS PS
 TIEN AQUEOUS **FLUOROCOPOLYMER** DISPERSION.
 TIDE WAeSSRIGE FLUORCOPOLYMERISATDISPERSION.
 TIFR DISPERSION AQUEUSE DE **FLUOROCOPOLYMERE**.
 IN ARAKI, Takayuki Yodogawa-Seisakusho, Daikin Industries, Ltd. 1-1,
 Nishihitotsuya, Settsu-shi Osaka 566, JP;
TSUDA, Nobuhiko Yodogawa-Seisakusho, Daikin Industries, Ltd. 1-1,
 Nishihitotsuya, Settsu-shi Osaka 566, JP;
 YONEI, Yasushi Yodogawa-Seisakusho, Daikin Industries, Ltd. 1-1,
 Nishihitotsuya, Settsu-shi Osaka 566, JP
 PA DAIKIN INDUSTRIES, LIMITED, Umeda Center Building, 4-12 Nakazaki-nishi
 2-chome, Kita-ku, Osaka-shi, Osaka-fu 530, JP
 SO Wila-EPS-2001-H24-T1
 DS R DE; R FR; R GB
 PIT EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale Anmeldung)
 PI EP 748826 B1 20010613
 OD 19961218
 AI EP 1994-927056 19940916
 PRAI JP 1993-52364 19930922
 RLI WO 94-JP1530 940916 INTAKZ
 WO 9508582 950330 INTPNR
 REP EP 428133 A EP 467570 A
 EP 481372 A JP 2274711 A
 JP 3007784 A JP 4189879 A
 JP 4248821 A JP 4325509 A
 IC ICM C08F259-08
 ICS C09D151-06

L6 ANSWER 3 OF 7 PCTFULL COPYRIGHT 2002 MicroPatent

Full
Text

AN 2001025346 PCTFULL ED 20010502 EW 200115
 TIEN HIGHLY WEATHERING-RESISTANT POWDER COATING COMPOSITION
 TIFR COMPOSITION DE REVETEMENT PULVERULENT A RESISTANCE AUX INTEMPERIES
 ELEVEES
 IN **TSUDA, Nobuhiko**; IWAKIRI, Ryuji; FUKAGAWA, Ryoichi; TANO, Keisuke;
 TANIZAWA, Daisuke
 PA DAIKIN INDUSTRIES, LTD.
 AG ASAHINA, Sohta
 LA Japanese
 LAF Japanese
 DT Patent
 PI WO 2001025346 A1 20010412
 DS AU CN JP KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 AI WO 1999-JP5460 19991004
 ICM C09D005-03
 ICS C09D127-12; E06B001-34

L6 ANSWER 4 OF 7 PCTFULL COPYRIGHT 2002 MicroPatent

Full
Text

AN 2000069983 PCTFULL ED 20001211 EW 200047
 TIEN THERMOSETTING POWDER COATING COMPOSITION
 TIFR MATIERE DE REVETEMENT EN POUDRE THERMODURCISSABLE
 IN IWAKIRI, Ryuji; **TSUDA, Nobuhiko**; NAGATO, Masaru; FUKAGAWA, Ryoichi;
 NAGAI, Go; TANO, Keisuke; TANIZAWA, Daisuke
 PA DAIKIN INDUSTRIES, LTD.; IWAKIRI, Miyuki
 LA Japanese
 LAF Japanese
 DT Patent
 PI WO 2000069983 A1 20001123
 DS US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 AI WO 2000-JP3010 20000511
 PRAIO JP 1999-11/132604 19990513
 ICM C09D175-04
 ICS C09D127-12; C09D005-03

L6 ANSWER 5 OF 7 PCTFULL COPYRIGHT 2002 MicroPatent

Full
Text

AN 1999057208 PCTFULL
 TIEN THERMOSETTING POWDER COATING COMPOSITION
 TIFR COMPOSITION DE REVETEMENT A BASE DE POUDRE TEHRMODURCISSABLE
 IN **TSUDA, Nobuhiko**; KITAHARA, Takahiro; IWAKIRI, Ryuji; NAGATO, Masaru;
 FUKAGAWA, Ryoichi; NAGAI, Go
 PA DAIKIN INDUSTRIES, LTD.
 LA Japanese
 LAF Japanese
 DT Patent
 PI WO 9957208 A1 19991111
 DS AU CA CN KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 AI WO 1999-JP2184 19990423
 PRAIO JP 1998-10/122383 19980501
 JP 1998-10/266550 19980921
 ICM C09D005-03

L6 ANSWER 6 OF 7 PCTFULL COPYRIGHT 2002 MicroPatent

Full
Text

AN 1999057165 PCTFULL

TIEN FUNCTIONAL **FLUOROCOPOLYMER**
 TIFR **FLUOROCOPOLYMERE** FONCTIONNEL
 IN **TSUDA, Nobuhiko**; KITAHARA, Takahiro; IWAKIRI, Ryuji; NAGATO, Masaru;
 FUKAGAWA, Ryoichi
 PA DAIKIN INDUSTRIES, LTD.
 LA Japanese
 LAF Japanese
 DT Patent
 PI WO 9957165 A1 19991111
 DS CN US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 AI WO 1999-JP2183 19990423
 PRAIO JP 1998-10/122384 19980501
 ICM C08F214-26
 ICS C08F214-26; C08F214-28; C08F210-02; C08F216-14

L6 ANSWER 7 OF 7 PCTFULL COPYRIGHT 2002 MicroPatent

Full
Text

AN 1995008582 PCTFULL
 TIEN AQUEOUS **FLUOROCOPOLYMER** DISPERSION
 TIFR DISPERSION AQUEUSE DE **FLUOROCOPOLYMERE**
 IN ARAKI, Takayuki; **TSUDA, Nobuhiko**; YONEI, Yasushi
 PA DAIKIN INDUSTRIES, LTD.; ARAKI, Takayuki; TSUDA, Nobuhiko; YONEI, Yasushi
 LA Japanese
 DT Patent
 PI WO 9508582 A1 19950330
 DS JP KR US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
 AI WO 1994-JP1530 19940916
 PRAIO JP 1993-5/236493 19930922
 ICM C08F259-08
 ICS C09D151-06

=>